



Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2 Attorney Docket Number 549222000101

**Complete if Known**

Application Number	08/977,846
Filing Date	November 25, 1997
First Named Inventor	John O. RYAN
Art Unit	3628
Examiner Name	I. Borissov

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US-5,502,497-A	03-26-1996	Yamaashi et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	2.	EP-0 959 635-A1	11-24-1999	Alcatel	
	3.	JP-58-139746-U	09-20-1983	Unknown	Japanese Language, English Language Summary.
	4.	JP-62-90061-A	04-24-1987	Sumitomo Electric Industries	Translation of Abstract Only.
	5.	JP-63-171491-A	07-15-1988	Aimor Denshi KK	Translation of Abstract Only.
	6.	JP-63-218908-A	09-12-1988	Sharp KK	Translation of Abstract Only.
	7.	JP-1-146630-U	10-09-1989	Unknown	Abstract Only.
	8.	JP-1-295363-A	11-29-1989	Yamato Denki Eng KK	Translation of Abstract Only.
	9.	JP-1-318368-A	12-22-1989	Thomson Consumer Electronics	Translation of Abstract Only.
	10.	JP-2-41091-A	02-09-1990	Matsushita Electric Ind. Co. Ltd.	Translation of Abstract Only.
	11.	JP-3-44122-A	02-26-1991	Conditional Access Tech et al.	Translation of Abstract Only.
	12.	JP-3-259635-A	11-19-1991	Mitsubishi Electric Corp.	Translation of Abstract Only.
	13.	JP-4-47435-A	02-17-1992	Personal Joho Kankyo Kyokai	Translation of Abstract Only.
	14.	JP-4-92596-A	03-25-1992	Yazaki Corp.	Translation of Abstract Only.
	15.	JP-4-150333-A	05-22-1992	Japan Broadcasting Corp.	Translation of Abstract Only.
	16.	JP-4-290386-A	10-14-1992	Thomson Consumer Electronics	Translation of Abstract Only.
	17.	JP-5-64167-A	03-12-1993	Hitachi Ltd.	Translation of Abstract Only.
	18.	JP-5-75984-A	03-26-1993	Hitachi Ltd.	Translation of Abstract Only.
	19.	JP-5-191335-A	07-30-1993	Hitachi Ltd.	Translation of Abstract Only.
	20.	JP-5-236437-A	09-10-1993	Pioneer Electronic Corp	Translation of Abstract Only.
	21.	JP-5-276463-A	10-22-1993	Unknown	Translation of Abstract Only.

Examiner Signature	/Igor Borissov/	Date Considered	07/06/2008
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pa1210493 REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /I.B./

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				Examiner Name	I. Borissov
Sheet	2	of	2	Attorney Docket Number	549222000101

22.	JP-6-86224-A	03-25-1994	Canon KK	Translation of Abstract Only
23.	JP-8-1866560-A	07-16-1996	Kokusai Electric Co. Ltd.	Translation of Abstract Only
24.	JP-3078325-B2	06-16-2000	Macrovision Corporation	
25.	JP-3088754-B2	07-14-2000	Macrovision Corporation	
26.	WO-97/26718-A1	07-24-1997	Ericsson Inc.	

\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.03. <sup>3</sup>Office that issued the document (use the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the right of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

<b>NON PATENT LITERATURE DOCUMENTS</b>				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		
	27.	SENO, H. (November 1, 1992). "Automatic Indexing System of Japanese Documents. A Consideration of Automatic Indexing for Data Broadcasting Services," <i>Information Science and Technology</i> 42(11): 1023-1032 (Japanese language, English translation of Data Broadcasting Service portion of article.)		

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pa110408 REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /I.B./